



Date Mailed April 15, 2003

Sheet 1 of 2

FORM 1449
SUBSTITUTE DISCLOSURE STATEMENT
IN AN APPLICATION
(Use several sheets if necessary)

Docket Number:
10873.792(USD)Application Number:
10/848,742

Applicant: HIRAMOTO et al.

Filing Date: August 16, 2004 Group Art Unit: 1775

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
KB	5,390,061	02.1995	NAKATANI ET AL.			
	5,408,377	04.1995	GURNEY ET AL.			
	5,650,958	07.1997	GALLAGHER ET AL.			
	5,953,248	09.1999	CHEN ET AL.			
	6,051,309	04.2000	FUJIKATA ET AL.			
	6,221,172	04.2001	SAITO ET AL.			
	6,424,506	07.2002	SAITO ET AL.			
	5,648,885	06.1997	NISHIOKA ET AL.			
	5,901,018	05.1999	FONTANA JR. ET AL.			
	5,949,622	09.1999	KAMIGUCHI ET AL.			
	6,046,892	04.2000	AOHIMA ET AL.			
	6,108,177	08.2000	GILL			
	6,133,732	10.2000	HAYASHI ET AL.			
	6,271,997	08.2001	GILL			
	6,275,363	08.2001	GILL			
	6,313,973	11.2001	FUKE ET AL.			
	6,329,078	12.2001	TSUGE			
	6,407,890	06.2002	GILL			
KB	6,639,794	10.2003	SAITO ET AL. OLAKA ET AL.			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES
KB	0,913 830	05.1999	EP			
KB	1 033 764	09.2000	EP			
KB	199 34 009	01.2000	DE			SEE IDS

EXAMINER /Kevin Bernatz/

DATE CONSIDERED 10/23/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

*Substitute Disclosure Statement Form (PTO-1449)

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

BEST AVAILABLE COPY

Date Mailed: April 15, 2003

Sheet 2 of 2

FORM 1449 ^a INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)		Docket Number: 10873.792USDI	Application Number: 09/748,742 10/848,742
		Applicant: HIRAMOTO et al.	
		Filing Date: August 14, 2001	Group Art Unit: 1775

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
KB		
		Parkin S S P et al: "Exchange-Biased Magnetic Tunnel Junctions and Application to Nonvolatile Magnetic Random Access Memory (Invited)", Journal of Applied Physics, American Institute of Physics, New York, US, Vol.85, No. 8, April 15, 1000, PP 5828-5833.
		Moon K-S et al: "Exchange-Biased Magnetic Tunnel Junctions: Dependence of Offset Field on Junction Width" Applied Physics Letters, American Institute of Physics, New York, US, Vol. 74, No. 24, June 14, 1999, PP 3690-3692.
		Veloso A et al: "Spin Valve Sensors with Synthetic Free and Pinned Layers" Journal of Applied Physics, American Institute of Physics, New York, US, Vol. 87, No. 0, May 1 2000, PP 5744-5746.
		Saito M. et al: "PTMN Spin Valve with Synthetic Ferrimagnet Free and Pinned Layers", Journal of Applied Physics, American Institute of Physics, New York, US, Vol. 87, No. 9, May 1, 2000, PP 6974-6976.
		HU Y M et al: "Magnetic Anisotropy of UNI80FE20/MO/CO Spin-Valve Films Grown by MBE" IEEE Transactions on Magnetics, IEEE Inc., New York, US, Vol. 33, No. 5, Part 2, September 1997, PP 3952-3954.
		Sakakima H et al: "Enhancement of MR ratios using thin oxide layers in PtMn and alpha-Fe203-based spin valves" Journal of Magnetism and Magnetic Materials, Elsevier Science Publishers, Amsterdam, NL, Vol. 210, No. 1-3, February 2000, PP 20-24
		Cardoso S et al: "High Thermal Stability Tunnel Junctions", Journal of Applied Physics, American Institute of Physics, New York, US, Vol. 87, No. 9, May 1, 2000, PP 6058-6060.
		S. Cardoso et al., "High thermal stability tunnel junctions", Journal of Applied Physics, Vol. 87, No. 9, May 1, 2000, pp. 6058-6060
KB		Proceedings of 112th Study Group of the Magnetic Society of Japan pp. 35-42

*235
52*

EXAMINER	/Kevin Bernatz/	DATE CONSIDERED	10/23/2006
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.			

*Substitute Disclosure Statement Form (PTO-1449)

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

BEST AVAILABLE COPY